



# INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/581,228
Filing Date	June 2, 2006
First Named Inventor	Chiorini et al.
Group Art Unit	1646
Examiner Name	Unassigned

## U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclasses	Filing Date (if appropriate)
	B1	6,146,874	Nov 14 2000	Zolotukhin et al.			
	B2	6,180,613	Jan 30 2001	Kaplitt et al.			
	B3	6,221,349	Apr 24 2001	Couto et al.			
	B4	6,309,634	Oct 30 2001	Bankiewicz et al.			
	B5	6,391,858	May 21 2002	Podsakoff et al.			
	B6	6,468,524	Oct 22 2002	Chiorini et al.			
	B7	6,485,976	Nov 26 2002	Nadler et al.			
	B8	6,855,314	Feb 15 2005	Chiorini et al.			
	B9	6,984,517	Jan 10 2006	Chiorini et al.			
	B10	2002/0076754 A1	Jun 20 2002	Sun et al.			
	B11	2003/0228282 A1	Dec 11 2003	Gao et al.			
	B12	2004/0086490 A1	Jun 06 2004	Chiorini et al.			
	B13	2004/0110266 A1	Jun 10 2004	Chiorini et al.			
	B14	2004/0115789 A1	Jun 17 2004	Meruelo et al.			
	B15	2005/0255089 A1	Nov 17 2005	Chiorini et al.			

## FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	B16	DE 44 36 664 A1	Jul 4 1996	Heilbronn, R.	YES
	B17	WO 1993/24641 A	Dec 9 1993	Carter et al.	
	B18	WO 1996/00587 A	Jan 11 1996	Samulski et al.	
	B19	WO 1996/15777 A	May 30 1996	Wiener et al.	
	B20	WO 1996/18727	Jun 20 1996	Natsoulis, Georges	
	B21	WO 1997/06272	Feb 20 1997	Natsoulis, Georges	
	B22	WO 1998/41240 A	Sept 24 1998	High et al.	
	B23	WO 1998/45462 A	Oct 15 1998	Ciliberto et al.	
	B24	WO 2000/28061	May 18 2000	Wilson et al.	
	B25	WO 2003/093479	Nov 13 2003	Muzyczka et al.	
	B26	WO 2005/017101	Feb 24 2005	Bossis et al.	
	B27	WO 2006/029196	Mar 16 2006	Chiorini et al.	
	B28	WO 2006/119432	Nov 09 2006	Schmidt et al.	

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NON-PATENT DOCUMENTS			
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)	
	B29	Alexander et al., "DNA-Damaging Agents Greatly Increase the Transduction of Nondividing Cells by Adeno-Associated Virus Vectors," December 1994, <i>J. Virol.</i> , 68(12):8282-8287.	
	B30	Alisky et al., "Transduction of Murine Cerebellar Neurons with Recombinant FIV and AAV5 Vectors," August 2000, <i>Mol. Neurosci.</i> , 11(1221):2669-2673.	
	B31	Alisky J.M. and Tolbert D.M., "Differential labeling of converging afferent pathways using biotinylated dextran amine and cholera toxin subunit B," 1994, <i>Journal of Neuroscience Methods</i> , 52:143-148.	
	B32	Allen, J.M., Halbert, C.L. and Miller, A.D., "Improved adeno-associated virus vector production with transfection of a single helper adenovirus gene, E4orf6," 2000, <i>Mol Ther</i> , 1:88-95.	
	B33	Arnberg, N., A. H. Kidd, K. Edlund, J. Nilsson, P. Pring-Akerblom, and G. Wadell, "Adenovirus type 37 binds to cell surface sialic acid through a charge-dependent interaction," 2002, <i>Virology</i> , 302:33-43.	
	B34	Atchison, R. W., B. C. Casto, and W. M. Hammon, "Adenovirus-Associated Defective Virus Particles," 1965, <i>Science</i> , 149:754-756.	
	B35	Auricchio et al., "A Single-Step Affinity Column for Purification of Serotype-5 Based Adeno-Associated Viral Vectors," October 2001, <i>Mol Ther</i> , 4(4):372-374.	
	B36	Bachmann, P.A., M.D. Hoggan, E. Kurstak, J.L. Melnick, H.G. Pereira, P. Tattersall, and C. Vago, "Parvoviridae: second report," 1979, <i>Intervirology</i> , 11:248-254.	
	B37	Bajocchi G, Feldman SH, Crystal RG, Mastrangeli A., "Direct <i>in vivo</i> gene transfer to ependymal cells in the central nervous system using recombinant adenovirus vectors," 1993, <i>Nat Genet</i> , 3:229-234.	
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	B42	Bartlett JS, Kleinschmidt J., Boucher RC, and Samulski RJ, "Targeted adeno-associated virus vector transduction of nonpermissive cells mediated by a bispecific F(ab'gamma) <sub>2</sub> antibody," 1999, <i>Nat Biotechnol</i> , 17:181-186.	
	B43	Bartlett JS, Samulski RJ, McCown TJ., "Selective and rapid uptake of adeno-associated virus type 2 in brain," 1998, <i>Hum Gene Ther</i> , 9(8):1181-1186.	
	B44	Bartlett, J.S., Wilcher, R. and Samulski, R.J., "Infectious entry pathway of adeno-associated virus and adeno-associated virus vectors," 2000, <i>J Virol</i> , 74:2777-2785.	
	B45	Ben-Israel, H. and Kleinberger, T., "Adenovirus and cell cycle control," 2002, <i>Front Biosci</i> , 7:d1369-1395.	

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	B46	Bergelson, JM, Cunningham JA, Droguett G., Kurt-Jones EA, Krithivas A., Hong JS, Horwitz MS, Crowell RL, and Finberg RW, "Isolation of a common receptor for Coxsackie B viruses and adenoviruses 2 and 5," 1997, <i>Science</i> , 275:1320-1323.	
	B47	Berns, K. I., "Parvoviridae: the viruses and their replication," In F. B. N., K. D. M., and H. P. M. (ed.), <i>Fields virology</i> , 3rd ed. Lippincott-Raven Publishers, Philadelphia, PA, p. 2173-2197.	
	B48	Blacklow, et al., "Serologic Evidence for Human Infection With Adenovirus-Associated Viruses," 1968, <i>J NCI</i> , 40(2):319-327.	
	B49	Blacklow, N.R., Hoggan, M.D. and Rowe, W.P. "Isolation of adenovirus-associated viruses from man," 1967, <i>Proc Natl Acad Sci U S A</i> , 58:1410-1415.	
	B50	Bomsel M, Alfsen A, "Entry of viruses through the epithelial barrier: pathogenic trickery," 2003, <i>Nat Rev Mol Cell Biol</i> , 4:57-68.	
	B51	Bomsel M, David V, "Mucosal gatekeepers: selecting HIV viruses for early infection," 2002, <i>Nat Med</i> , 8:114-116.	
	B52	Bossis, I. and Chiorini, J.A., "Cloning of an Avian Adeno-Associated Virus (AAAV) and Generation of Recombinant AAAV Particles," 2003, <i>J Virol</i> , 77(12):6799-6810.	
	B53	Burcin, M.M., O'Malley, B.W. and S.Y. Tsai, "A regulatory system for target gene expression," 1998, <i>Frontiers in Bioscience</i> , 3:c1-7.	
	B54	Carter, B. J., B. A. Antoni, and D. F. Klessig, "Adenovirus containing a deletion of the early region 2A gene allows growth of adeno-associated virus with decreased efficiency," 1992, <i>Virology</i> , 191:473-476.	
	B55	Carter, B. J., C. A. Laughlin, L. M. de la Maza, and M. Myers, "Adeno-associated virus autointerference," 1979, <i>Virology</i> , 92:449-462.	
	B56	Casto, B. C., R. W. Atchison, and W. M. Hammon, "Studies on the relationship between adeno-associated virus type I (AAV-1) and adenoviruses. I. Replication of AAV-1 in certain cell cultures and its effect on helper adenovirus," 1967a, <i>Virology</i> , 32:52-59.	
	B57	Casto, B. C., J. A. Armstrong, R. W. Atchison, and W. M. Hammon, "Studies on the relationship between adeno-associated virus type 1 (AAV-1) and adenoviruses. II. Inhibition of adenovirus plaques by AAV; its nature and specificity," 1967b, <i>Virology</i> , 33:452-458.	
	B58	Chang, L.S. and Shenk, T., "The adenovirus DNA-binding protein stimulates the rate of transcription directed by adenovirus and adeno-associated virus promoters," 1990, <i>J Virol</i> , 64:2103-2109.	
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	B60	Chao H et al., "Several Log Increase in Therapeutic Transgene Delivery by Distinct Adeno-Associated Viral Serotype Vectors," 2000, <i>Molecular Therapy</i> , 2(6):619-623.	
	B61	Chejanovsky, N. and B.J. Carter, "Replication of a human parvovirus nonsense mutant in mammalian cells containing an inducible amber suppressor," 1989a, <i>Virology</i> , 171:239-247.	
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	B63	Chiorini JA, Afione S, Kotin RM, "Adeno-associated virus (AAV) type 5 Rep protein cleaves a unique terminal resolution site compared with other AAV serotypes," 1999a May, <i>J Virol.</i> , 73(5):4293-4298.				
	B64	Chiorini, J.A., C.M. Wendtner, E. Urcelay, B. Safer, M. Hallek, and R.M. Kotin, "High-efficiency transfer of the T cell co-stimulatory molecule B7-2 to lymphoid cells using high-titer recombinant adeno-associated virus vectors," 1995, <i>Human Gene Therapy</i> , 6:1531-1541.				
	B65	Chiorini, J.A., L. Yang, B. Safer, and R.M. Kotin, "Determination of adeno-associated virus Rep68 and Rep78 binding sites by random sequence oligonucleotide selection," 1995, <i>J. Virol.</i> , 69:7334-7338.				
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	B68	Clark et al., "Highly Purified Recombinant Adeno-Associated Virus Vectors are Biologically Active and Free of Detectable Helper and Wild-Type Viruses," 1999, <i>Hum. Gene Ther.</i> , 10:1031-1039.				
	B69	Cohen-Salmon et al., "Targeted ablation of connexin26 in the inner ear epithelial gap junction network causes hearing impairment and cell death," 2002, <i>Curr Biol</i> , 12:1106-1111.				
	B70	Crystal RG, "Transfer of genes to humans: early lessons and obstacles to success," 1995, <i>Science</i> , 270(5235):404-410.				
	B71	Database EMBL, Entry GGACTAA, GenBank Accession number M61166, 3/27/1991, XP002125220				
	B72	Davidson BL, Doran SE, Shewach DS, Latta JM, Hartman JW, Roessler BJ., "Expression of <i>Escherichia coli</i> beta-galactosidase and rat HPRT in the CNS of <i>Macaca mulatta</i> following adenoviral mediated gene transfer," 1994, <i>Exp Neurol</i> , 125:258-267.				
	B73	Davidson BL, Stein CS, Heth JA, Martins I, Kotin RM, Derksen TA, Zabner J, Ghodsi A, Chiorini JA, "Recombinant adeno-associated virus type 2, 4, and 5 vectors: Transduction of variant cell types and regions in the mammalian central nervous system," 2000, <i>Proc Natl Acad Sci U S A.</i> , 97(7):3428-3432.				
	B74	Deonarain MP, "Ligand-targeted receptor-mediated vectors for gene delivery," 1998, <i>Molecular Conjugate Vectors</i> , 8(1):53-69.				
	B75	Derby, M. L., M. Sena-Esteves, et al., "Gene transfer into the mammalian inner ear using HSV-1 and vaccinia virus vectors," 1999, <i>Hear Res</i> , 134(1-2):1-8.				
	B76	Di Pasquale, G., and J. A. Chiorini, "PKA/PrKX activity is a modulator of AAV/adenovirus interaction," 2003, <i>EMBO J</i> , 22:1716-1724.				
	B77	Di Pasquale, G., B. L. Davidson, et al., "Identification of PDGFR as a receptor for AAV-5 transduction," 2003, <i>Nat Med</i> , 9(10):1306-1312.				
	B78	Dixit, M., M.S. Webb, W.C. Smart, and S. Ohi, "Construction and expression of a recombinant adeno-associated virus that harbors a human beta-globin-encoding cDNA," 1991, <i>Gene</i> , 104:253-257.				
	B79	Doll RF, Crandall JE, Dyer CA, Aucoin JM, Smith FI., "Comparison of promoter strengths on gene delivery into mammalian brain cells using AAV vectors," 1996, <i>Gene Ther</i> , 3:437-447.				

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	B80	Duan, D., Yue Y., Yan Z., McCray PBJr, and Engelhardt JF., "Polarity influences the efficiency of recombinant adenoassociated virus infection in differentiated airway epithelia," 1998, <i>Hum Gene Ther</i> , 9:2761-2776.		
	B81	During MJ, Symes CW, Lawlor PA, Lin J, Dunning J, Fitzsimons HL, Poulsen D, Leone P, Xu R, Dicker BL, Lipski J, Young D, "An oral vaccine against NMDAR1 with efficacy in experimental stroke and epilepsy," 2000, <i>Science</i> , 287:1453-1460.		
	B82	During MJ, Xu R, Young D, Kaplitt MG, Sherwin RS, Leone P., "Peroral gene therapy of lactose intolerance using an adeno-associated virus vector," 1998, <i>Nat Med</i> , 4(10):1131-1135.		
	B83	During MJ, Leone P, "Adeno-associated virus vectors for gene therapy of neurodegenerative disorders," 1995-96, <i>Clin Neurosci</i> , 3(5):292-300, XP-002125034		
	B84	Erles, K., Sebokova, P. and Schlehofer, J.R., "Update on the prevalence of serum antibodies (IgG and IgM) to adeno-associated virus (AAV)," 1999, <i>J Med Virol</i> , 59:406-411.		
	B85	Fan D-S, Ogawa M, Fujimoto K-I, Ikeguchi K, Ogasawara Y, Urabe M, Nishizawa M, Nakano I, Yoshida M, Nagatsu I, Ichinose H, Nagatsu T, Kurtzman GJ, Ozawa K, "Behavioral recovery in 6-hydroxydopamine-lesioned rats by cotransduction of striatum with tyrosine hydroxylase and aromatic L-amino acid decarboxylase genes using two separate adeno-associated virus vectors," 1998, <i>Hum Gene Ther</i> , 9:2527-2535.		
	B86	Fisher, KJ, Jooss K., Alston J., Yang Y., Haecker SE, High K., Pathak R., Raper SE, and Wilson JM, "Recombinant adeno-associated virus for muscle directed gene therapy," 1997, <i>Nat Med</i> , 3:306-312.		
	B87	Fisher, R.E., H.D. Mayor, "The evolution of defective and autonomous parvoviruses," 1991, <i>J Theor Biol</i> , 149:429-439.		
	B88	Flannery et al., "Efficient Photoreceptor-targeted Gene Expression <i>in vivo</i> by Recombinant Adeno-Associated Virus," 1997, <i>Proc Natl Acad Sci USA</i> , 94:6916-6921.		
	B89	Flotte TR, Solow R, Owens RA, Afione S, Zeitlin PL, Carter BJ, "Gene expression from adeno-associated virus vectors in airway epithelial cells," 1992, <i>Am J Respir Cell Mol Biol</i> , 7(3):349-356; XP000609213		
	B90	Flotte, T.R., S.A. Afione, C. Conrad, S.A. McGrath, R. Solow, H. Oka, P.L. Zeitlin, W.B. Guggino, and B.J. Carter, "Stable <i>in vivo</i> expression of the cystic fibrosis transmembrane conductance regulator with an adeno-associated virus vector," 1993, <i>Proc. Natl. Acad. Sci.</i> , 90:10613-10617.		
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	B92	Frolenkov GI, Belyantseva IA, Friedman TB, Griffith AJ, "Genetic insights into the morphogenesis of inner ear hair cells," 2004, <i>Nat Rev Genet</i> , 5:489-498.		
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	B94	Gao, G.P., Alvira, M.R., Wang, L., Calcedo, R., Johnston, J. and Wilson, J.M., "Novel adeno-associated viruses from rhesus monkeys as vectors for human gene therapy," 2002, <i>Proc Natl Acad Sci USA</i> , 99:11854-11859.		
	B95	GenBank Accession number AY186198		

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	B96	Georg-Fries B, Biederlack S, Wolf J, zur Hausen H, "Analysis of proteins, helper dependence, and seroepidemiology of a new human parvovirus," 1984, <i>Virology</i> , 134(1):64-71, XP002027460.	
	B97	Ghodsi A., Stein C., Derksen T., Martins I., Anderson RD, & Davidson BL, "Systemic hyperosmolality improves <i>beta</i> -glucuronidase distribution and pathology in murine MPS VII brain following intraventricular gene transfer," 1999, <i>Exp Neurol</i> , 160:109-116.	
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	B100	Grimm, D. and M. A. Kay, "From virus evolution to vector revolution: use of naturally occurring serotypes of adeno-associated virus (AAV) as novel vectors for human gene therapy," 2003, <i>Curr Gene Ther</i> , 3(4):281-304.	
	B101	Grimm D and Kern A, Rittner K Kleinschmidt JA, "Novel Tools for Production and Purification of Recombinant Adenoassociated Virus Vectors," 1998, <i>Human Gene Therapy</i> , 9:2745-2760.	
	B102	Guy J., Qi X., Muzyczka N., and Hauswirth WW, "Reporter expression persists 1 year after adeno-associated virus-mediated gene transfer to the optic nerve," 1999, <i>Arch Ophthalmol</i> , 117:929-937.	
	B103	Halbert CL, Standaert TA, Aitken ML, Alexander IE, Russell DW, and Miller AD, "Transduction by adeno-associated virus vectors in the rabbit airway: efficiency, persistence, and readministration," 1997, <i>J Virol</i> , 71:5932-5941.	
	B104	Halbert, C. L., J. M. Allen, and A. D. Miller, "Adeno-associated virus type 6 (AAV6) vectors mediate efficient transduction of airway epithelial cells in mouse lungs compared to that of AAV2 vectors," 2001, <i>J Virol</i> , 75:6615-6624.	
	B105	He, D. Z., J. Zheng, et al., "Development of acetylcholine receptors in cultured outer hair cells," 2001, <i>Hear Res</i> , 162(1-2):113-125.	
	B106	Hehir K.M., Armentano D., Cardoza L.M., Choquette T.L., Berthelette P.B., White G.A., Couture L.A., Everton M.B., Keegan J., Martin J.M., Pratt D.A., Smith M.P., Smith A.E., Wadsworth S.C., "Molecular characterization of replication-competent variants of adenovirus vectors and genome modifications to prevent their occurrence," 1996, <i>J Virol</i> , 70(12):8459-8467.	
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	B108	Hermonat PL, Santin AD, De Greve J, De Rijcke M, Bishop BM, Han L, Mane M, Kokorina N, "Chromosomal latency and expression at map unit 96 of a wild-type plus adeno-associated virus (AAV)/Neo vector and identification of p81, a new AAV transcriptional promoter," 1999 Nov-Dec, <i>J Hum Virol</i> , 2(6):359-368.	
	B109	Hermonat, PL and N Muzyczka, "Use of adeno-associated virus as a mammalian DNA cloning vector: transduction of neomycin resistance into mammalian tissue culture cells," 1984, <i>Proc Natl Acad Sci USA</i> , 81:6466-6470.	

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	B110	Hermonat, P.L., M.A. Labow, R. Wright, K.I. Berns, and N. Muzyczka, "Genetics of adeno-associated virus: isolation and preliminary characterization of adeno-associated virus type 2 mutants," 1984, <i>J. Virol.</i> , 51:329-339.	
	B111	Hoggan, M. D., N. R. Blacklow, and W. P. Rowe, "Studies of small DNA viruses found in various adenovirus preparations: physical, biological, and immunological characteristics," 1966, <i>Proc Natl Acad Sci USA</i> , 55:1467-1474.	
	B112	Hoggan, M.D., "Adenovirus associated viruses," 1970, <i>Prog Med Virol</i> , 12:211-239.	
	B113	Holt, J. R., "Viral-mediated gene transfer to study the molecular physiology of the Mammalian inner ear" 2002, <i>Audiol Neurotol</i> , 7(3):157-160.	
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		Application Number	10/581,228
		Filing Date	June 2, 2006
		First Named Inventor	Chiorini et al.
		Group Art Unit	1646
		Examiner Name	Unassigned
	B223	Voutetakis A, Kok MR, Zheng C, Bossis I, Wang J, Cotrim AP, Marracino N, Goldsmith CM, Chiorini JA, Loh YP, Nieman LK, Baum BJ, "Reengineered salivary glands are stable endogenous bioreactors for systemic gene therapeutics," 2004, <i>Proc Natl Acad Sci USA</i> , 101(9):3053-3058.	
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	B239	Yakobson, B., Hrynko, T.A., Peak, M.J. and Winocour, E., "Replication of adeno-associated virus in cells irradiated with UV light at 254 nm," 1989, <i>J Virol</i> , 63:1023-1030.		
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